

The results obtained after the study carried out show the effectiveness of VMAT for

CELLULITE TREATMENT

THE ONLY  
EFFECTIVE  
TECHNOLOGY FOR  
**CELLULITE**

.....  
grade I, II and III

improves  
the elasticity  
of the skin

helps  
reduce

orange  
peel skin

CLINICALLY  
PROVEN  
RESULTS

TERMO SALUD

TECHNICAL DETAILS

**MAT**  
DERMO-CORRECTION

Ref. MN76



TERMO SALUD

Power supply:	230 V a.c 50/60 Hz 110 V a.c 50/60 Hz (optional)
Maximum consumption:	800 VA
Interface:	10,2" Color Touch Screen Backlight LED
Programmes:	12 preset programmes + 1 free
Applicators:	1 HP-AT head (acoustic shock wave) 1 HP-V head (Vibrational wave+virtual mesotherapy)

HP-AT ACOUSTIC SHOCK WAVE:

Continuous mode functioning:	1- 21 Hz
Pressure:	0,5 - 5.0 Bar

HP-T VIBRATIONAL WAVE+VIRTUAL MESOTHERAPY

Continuous mode functioning:	1- 21 Hz
Pressure:	0,5 - 5.0 Bar
Level of adjustable mesotherapy:	0 -100 %
VIRTUAL M. Output characteristics:	
Maximum tension:	Vpp: 120 v
Pulse duration:	160 - 230 ms
Effective frequency:	900 -1350 Hz
Work cycle:	2,9 sec
Rest:	0,4 sec

Dimensions:	124 cm (h) x 68 cm (l) x 59 cm (w)
Weight:	37 kg

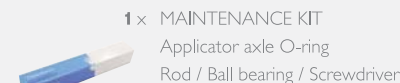
ACCESSORIES INCLUDED



2 x  
NOISE PROTECTION  
EARPLUGS  
REF: AR1747



1 x  
POWER CABLE  
REF: SUBP-221



1 x MAINTENANCE KIT  
Applicator axle O-ring  
Rod / Ball bearing / Screwdriver



1 x  
CONDUCTING GEL  
5 Kg  
REF: AR1155



1 x  
HP-AT  
acoustic shock wave handpiece  
REF: A2179



1 x  
HP-V  
vibratory wave handpiece  
REF: A2180



1 x  
EARTH ELECTRODE  
REF: AR5288

2 x 100 x 8 cm  
2 x 70 x 8 cm  
2 x 60 x 8 cm  
ELASTIC BELTS  
REF: S361(100) / S359 (70) / S358 (60)

1 x  
MESOACOUSTIC  
cosmetic for anticellulite  
mesotherapy treatments  
300 mL  
REF: CS8

grupo BSB



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shock waves against cellulite

ACOUSTIC  
SHOCK  
WAVES

+

VIBRATORY  
WAVES

+

MESOACOUSTIC

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DERMO-CORRECTION



MAT

TERMO SALUD



## VMAT: ACOUSTIC SHOCK WAVES,VIBRATORY WAVES,VIRTUAL MESOTHERAPY AND MESOACOUSTICS



Cellulite is a process that starts with a vascular disorder; on an arteriovenous capillary level, and that can affect the three layers of the hypodermis (superficial, middle and deep). The majority of women with cellulite also tend to have hypotonic postural muscles.

To combat these problems Termosalud has created VMAT equipment that combines acoustic shock waves (Dermo-correction), a highly effective technique that causes the fibrotic walls of cellulite to rupture, the neovascularisation of the arteriovenous capillary and also manages to stimulate the regeneration of collagen; with the vibratory waves and virtual mesotherapy. It also includes a cosmetic product (mesoacoustic) that helps to stop and repair the marks caused by cellulite, regardless of its grade (I, II and III).

VMAT has preset programmes to treat the different grades of cellulite (I, II and III) and one free programme that lets you customise the treatment.

### INDICATIONS

VMAT is a painless and non-invasive treatment used to reduce cellulite (grade I, II and III) on the **ABDOMEN, ARMS, THIGHS AND BUTTOCKS**.

### BENEFITS

- Treats the appearance of tissue affected by the different grades of cellulite.
- Helps reduce orange peel skin.
- Improves the skin's elasticity.
- Ideal treatment for body remodelling.
- Painless and non-invasive

## WHAT EFFECT DO THE SHOCK WAVES HAVE ON TISSUES?

- 🔄 **Neovascularisation:** the flow of nutrients in the blood is necessary to initiate and maintain the processes of repairing tissue structure. The application of acoustic waves creates capillary micro-ruptures in the zone. This stimulates the growth and remodelling of new arterioles.
- ⬇️ **Collagen stimulation:** collagen is responsible for preventing the tissues from losing their shape and it also maintains the optimum volume of fat cells. Therefore, for the tissue repairing processes it is essential to produce enough collagen. Acoustic wave therapy manages to accelerate the synthesis of this important protein.
- ⬆️ **Selective increase in the permeability of the cell membrane:** the acoustic shock waves are applied to tissues to stimulate the cells. This then temporarily increases the permeability of the cell membrane and the free fatty acids and glycerol are released from the cells.

## OBJECTIVES

### Of the HP-AT acoustic shock waves

The principal aim of the acoustic shock wave therapy (DERMO-CORRECTION) is to produce **collagen regeneration**, the new formation of connective tissue and to temporarily and selectively increase cell permeability, in order to reduce cellulite and improve the appearance of the skin affected.

### Of the HP-V vibratory waves

The aim of the vibratory waves is to stimulate the metabolism, accelerate the elimination of waste and to increase the blood flow to muscles, in order to **help new fibres to form** and to strengthen the muscles.

### Of virtual mesotherapy

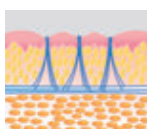
The aim of virtual mesotherapy is to produce molecular changes that allow pores to form in the cell membrane, which then increase the amount and depth of the **penetration of active principles** in the skin. It is a scientifically proven system that significantly increases the skin's permeability and thereby allows the active principles to reach the interior part of cells where they have maximum effect.

### Of the mesoacoustic product

The mesoacoustic product has been designed to **effectively treat the different problems** of the hypodermic layer (cellulite grade I, II and III), taking advantage of the increased cell permeability caused by the mesotherapy.

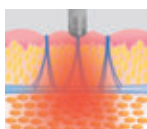
## EFFECTS

OF THE VMAT THERAPY on the epidermis and subcutaneous tissue



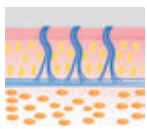
### Before VMAT:

The skin has a lumpy appearance known as "orange peel skin". The blood flow to the area is significantly reduced and the dreaded dimples can be seen.



### During VMAT:

The blood flow to the area is significantly increased and the formation of collagen is stimulated. The cell membrane permeability is increased and the fibrotic walls of the cellulite start to rupture and the neovascularisation of the arteriovenous capillary takes place.



### After VMAT:

The skin becomes firmer and recovers its natural elasticity. The texture noticeably improves.

## HOW THEY WORK

### The HP-AT acoustic shock waves

The acoustic shock waves that are used in medical treatments are generated outside the body and introduced into the body without harming the skin in any way. Acoustic shock wave therapy uses the body's intrinsic repair mechanisms to **restore tissues**: when cellulite reaches an advanced stage (grade I, II, III), the lymphatic vascular system is no longer capable of returning a sufficient amount of proteins and catabolic products to the venous system; therefore, a high concentration of proteins is produced, which causes fibrosis and alters the properties of the tissue. The application of acoustic shock wave therapy temporarily increases the permeability of the cell membrane, thereby improving the exchange of these substances between the cells, and it causes the rupture of the fibrotic walls of the cellulite. This means we can effectively **reduce the visible signs** of grade I, II and III cellulite.

### The HP-V vibratory waves

During the treatment, the pneumatically generated oscillating pulses produce a vibration in the muscles and, consequently, have a very beneficial impact on the lymphatic flow, making the whole tissue firmer. The vibratory massage **completes the acoustic shock wave treatment** and boosts its effectiveness while producing a pleasant feeling of well-being.

### The virtual mesotherapy

With virtual mesotherapy the active principles are carried to the required zone as a result of an electrical current that causes a noticeable increase in electrical conductivity and, simultaneously, in the permeability of the cell membrane. This **means that the active principles can reach the interior part of the cells** and act with maximum effectiveness. As a result of this, the effects achieved are far better than those obtained through topical application.

### The mesoacoustic product

The mesoacoustic product penetrates the deepest layers of the skin, thereby **repairing and stopping the lesions** in the arteriovenous capillary of the areolar layer (grade I cellulite), in the fascia reticulata layer (grade II cellulite) and, also the adipocyte alterations (grade III cellulite).

## HP-AT

### ACOUSTIC SHOCK WAVE SYSTEM

This handpiece is designed to produce the acoustic shock wave. It temporarily increases the permeability of the cell membrane to effectively treat the appearance of the tissue in the different grades of cellulite (I, II and III).



HP-AT HANDPIECE



HP-V HANDPIECE

## HP-V

### VIBRATORY WAVES AND VIRTUAL MESOTHERAPY SYSTEM.

This handpiece is designed to produce vibratory waves and virtual mesotherapy. The vibratory waves stimulate the metabolism and accelerate the elimination of waste. The virtual mesotherapy increases the intercellular permeability, aiding the penetration of the active principles. It is the ideal complement to the acoustic wave therapy and helps to maintain its results.